## CYCLIC ETHER VITAMIN D3 COMPOUNDS, 1α(OH) 3-EPI- VITAMIN D3 COMPOUNDS AND USES THEREOF

## Abstract of the Disclosure

Novel cyclic ether vitamin D3 compounds having a cyclic ether side chain are disclosed. These compounds were first identified as metabolites of 3-epi vitamin D3 produced via a tissue-specific metabolic pathway which catalyzes the formation of a cyclic ether structure. Also disclosed are  $1\alpha(OH)$  3-epi vitamin D3 compounds, which are produced via the epimerization of a 3- $\beta$ -hydroxyl group of  $1\alpha(OH)$  vitamin D3 precursor *in vivo*. The vitamin D3 compounds of the present invention can be used as substitutes for natural and synthetic vitamin D3 compounds.

10